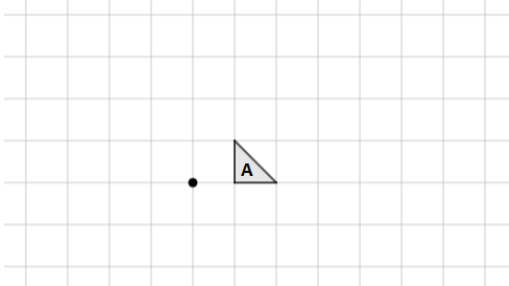
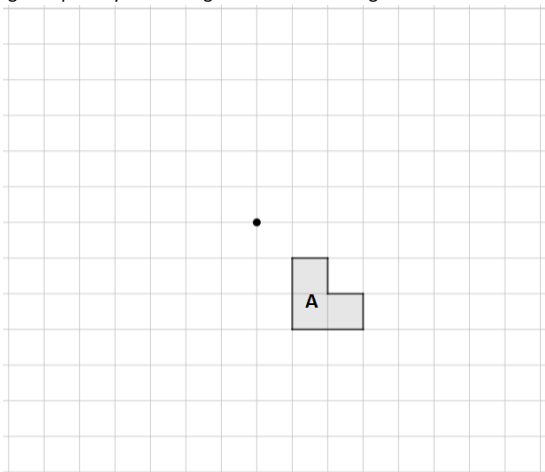


**Enlargements About a Point – www.m4ths.com – Steve Blades ©**

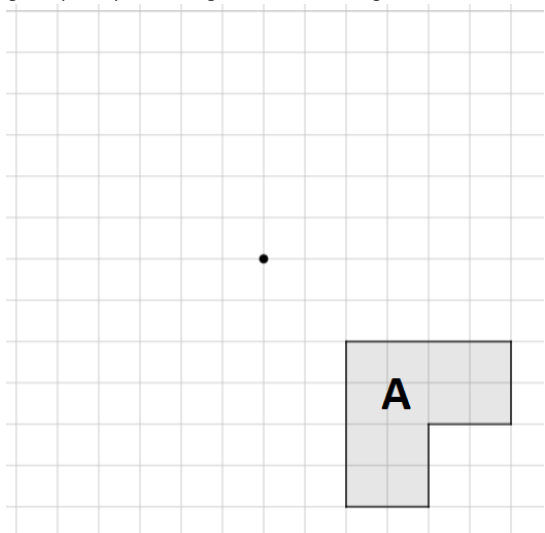
- (1) Enlarge Shape A by SF 2 using the centre of enlargement. Label it B
- (2) Enlarge Shape A by SF 3 using the centre of enlargement. Label it C
- (3) Enlarge Shape A by SF -1 using the centre of enlargement. Label it D
- (4) Enlarge Shape A by SF -2 using the centre of enlargement. Label it E



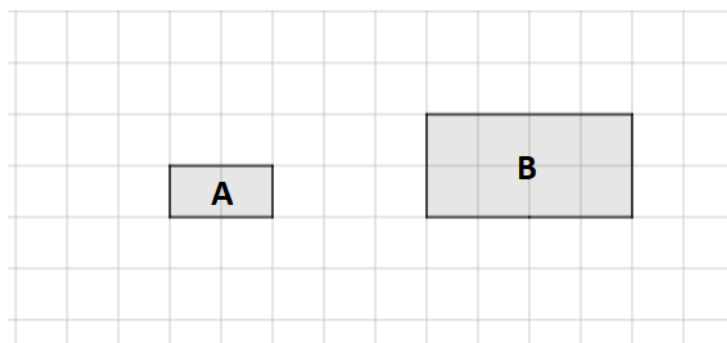
- (5) Enlarge Shape A by SF 2 using the centre of enlargement. Label it F
- (6) Enlarge Shape A by SF -1 using the centre of enlargement. Label it G
- (7) Enlarge Shape A by SF -2 using the centre of enlargement. Label it H



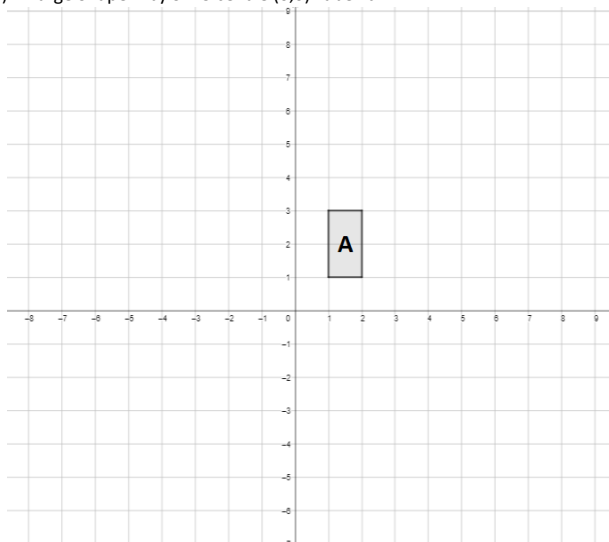
- (8) Enlarge Shape A by SF 1/2 using the centre of enlargement. Label it I
- (9) Enlarge Shape A by SF -1/2 using the centre of enlargement. Label it J



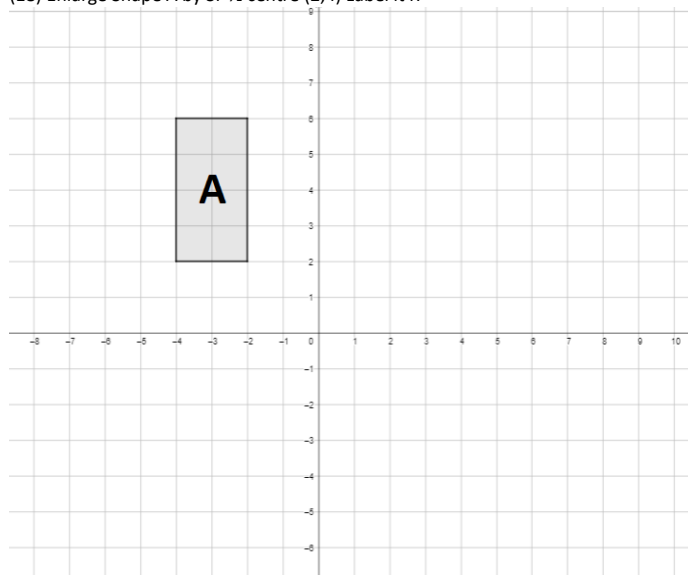
(10) Shape A is enlarged to give Shape B. Given that the SF is negative, state the SF and find the centre of enlargement.



- (11) Enlarge Shape A by SF 2 centre (0,0) Label it K
- (12) Enlarge Shape A by SF 3 centre (0,1) Label it L
- (13) Enlarge Shape A by SF -2 centre (0,3) Label it M
- (14) Enlarge Shape A by SF -3 centre (0,0) Label it N



- (15) Enlarge Shape A by SF 1/2 centre (-8,0) Label it O
- (16) Enlarge Shape A by SF -1/2 centre (0,0) Label it P
- (17) Enlarge Shape A by SF -0.5 centre (0,4) Label it Q
- (18) Enlarge Shape A by SF 1/2 centre (2,4) Label it R



- (19) State **FULLY** the single transformation that maps shape A to shape B
- (20) State **FULLY** the single transformation that maps shape B to shape A
- (21) State **FULLY** the single transformation that maps shape A to shape C
- (22) State **FULLY** the single transformation that maps shape C to shape A
- (23) State **FULLY** the single transformation that maps shape B to shape C
- (24) State **FULLY** the single transformation that maps shape C to shape B

